

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-115/115-11-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

115-11-7

Code:

M

RTECS:

UD0890000

Code:

M

Name:

ISOBUTYLENE

Other REC Limits:

N/A

OSHA PEL:

NOT APPLICABLE

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

NOT APPLICABLE

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

POSITIVE PRESSURE AIR LINE OR SCBA FOR EMERGENCY USE.

Ventilation:

HOOD W/FORCED VENTILATION TO PREVENT ACCUMULATION ABOVE LEL.

Protective Gloves:

PLASTIC OR RUBBER.

Eye Protection:

SAFETY GOGGLES OR GLASSES.

Other Protective Equipment:

Equipment SAFETY SHOES, SAFETY SHOWER, EYEWASH FOUNTAIN.

Work Hygienic Practices:

NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:

MFR PART NO, TRADE NAME:CALIBRATION GAS 101- 350-N, DC102573.EXPLO HAZ:INCREASE VENTILATION TO PREVENT FORMATION OF FLAMMABLE MIXTURE IN LOW AREAS/POCKETS. NOTE:DATA GIVEN FOR PURE ISOBUTYLENE. CYLINDER OF HNU SPAN GAS/ISOBUTYLENE CALIBRATION GAS CONTAINS 100 PPM IN ZERO AIR OR 0.01% ISOBUTYLENE IN AIR.

Health Hazards Data

LD50/LC50 Mixture:

NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:

YES

Skin:

NO

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

ISOBUTYLENE IS A SIMPLE ASPHYXANT; MODERATE CONCENTRATION IN AIR CAUSE UNCONSCIOUSNESS. CONTACT W/LIQUID CAUSES FROSTBITE.

Explanation Of Carcinogenicity:

NOT RELEVANT 2

Signs And Symptoms Of Overexposure:

SEE HEALTH HAZARDS.

Medical Cond Aggravated By Exposure:

NONE SPECIFIED BY MANUFACTURER.

First Aid:

IF BREATHED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS SPED, GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET; GET MEDICAL ATTENTION.

Spill Release Procedures:

NONE SPECIFIED BY MANUFACTURER.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

DISPOSAL MUST BE I/A/W FED, STATE AND LOCAL REGULATIONS. (FP N)

Handling And Storage Precautions:

STORE AWAY FROM HEAT AND PROTECT CYLINDERS FROM PHYSICAL DAMAGE.

Other Precautions:

DO NOT PUNCTURE CYLINDER.

Fire and Explosion Hazard Information

Flash Point Method:

CC

Flash Point:**Flash Point Text:**

-76 C OR -105 F

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:

1.8%

Upper Limits:

9.6% 3

Extinguishing Media:

CO2 OR DRY CHEMICAL

Fire Fighting Procedures:

S FLOW OF ISOBUTYLENE IF POSSIBLE. USE WATER SPRAY TO COOL SURROUNDING CONTAINERS.

Unusual Fire/Explosion Hazard:

ISOBUTYLENE IS HEAVIER THAN AIR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION. SHOULD FLAME BE EXTINGUISHED AND FLOW OF GAS CONTINUE SEE SUPP DATA.

Physical/Chemical Properties

HCC:**NRC/State IC No:****Net Prop WT For Ammo:****Boiling Point:****B.P. Text:**

19.5F,-6.9C

Melt/Freeze Pt:**M.P/F.P Text:**

-221F,-140C

Decomp Temp:**Decomp Text:**

N/K

Vapor Density:

20@ 24SIG

Percent Volatile by Volume:

1.95

Volatile Org Content %:

0.59

Spec Gravity:

0.59

VOC Pounds/Gallon:**PH:**

N/K

VOC Grams/Liter:**Viscosity:**

N/P

Evaporation Rate & Reference:

NOT APPLICABLE

Solubility in Water:

UNAVAILABLE

Appearance and Odor:

CLEAR UNPLEASANT AND SIMILAR TO COAL GAS

Percent Volatile by Weight:

N/K

Decomp Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:

OXIDIZERS

Hazardous Decomposition Products:

NONE

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NOT RELEVANT

Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Pesticide Information:

N/P

State Regulatory Information:

N/P

Other Information

Other Information:

N/P

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